

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

B335		TODD HEWITT BROTH				
Formula						
Ingredients :		gms/lit.				
Beef heart,infusion from		500.00				
Peptic digest of animal tissue		20.00				
Dextrose		2.00				
Sodium chloride		2.00				
Sodium phosphate		0.40				
Sodium carbonate		2.50				
Final pH (at 25°C) :		7.8 ± 0.2				
Directions :						
Suspend 37 gms.in 1000ml. distilled water. Mix well and dispense as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Infusion from Beef heart and Peptic digest of animal tissue provides the nitrogen, vitamins and amino acids in Todd Hewitt Broth. Dextrose is the carbon source, and a stimulant for hemolysin production. Disodium phosphate and Sodium carbonate act as buffers to aid in neutralizing acid production from dextrose fermentation, and protect hemolysin from inactivation. Sodium chloride maintains the osmotic balance of the medium.						
QC Tests – (I) Dehydrated Medium						
Colour :		Light to medium yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.8 ± 0.2				
Colour (post autoclaving/heating) :		Light to medium amber				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 – 48 hrs. at 35 – 37°C.						
MICROORGANISM (ATCC )		GROWTH				
Neisseria meningitides (13090)		Good – luxuriant				
Streptococcus pneumoniae (6303)		Good – luxuriant				
Streptococcus pyogenes (19615)		Good – luxuriant				
Streptococcus mitis (9895)		Good – luxuriant				
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium. 2. Todd Hewitt Broth cannot be used unbuffered for bile solubility testing.				
Use :		For cultivation of group A haemolytic Streptococci used for serological studies.				
Storage :		Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B335		37g/l	13.51L	7.8 ± 0.2	NIL	121°C /15 min.